

Smart cycling

From BITS to MegaBITS

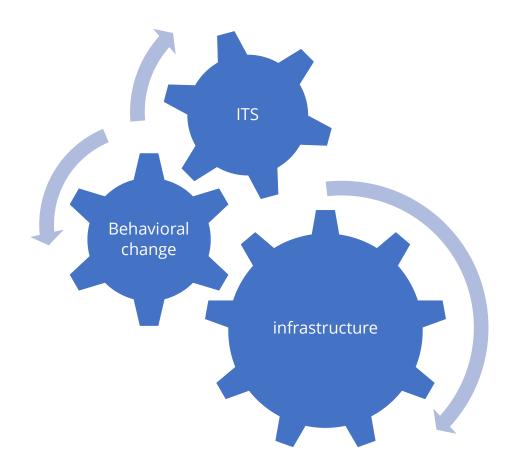
Wim Dijkstra Province of Overijssel, Netherlands



Most people think bike policy is about infrastructure



We think there is more !

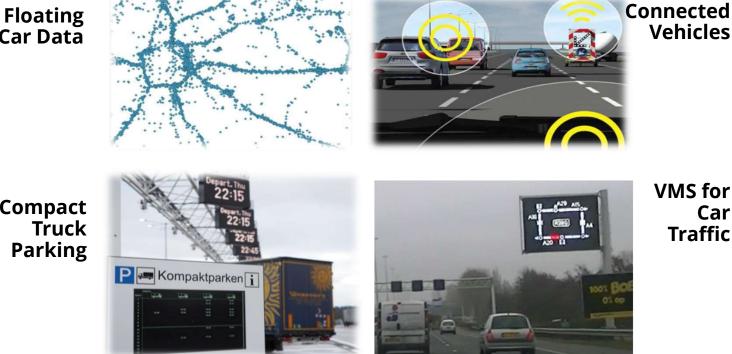




Most people think ITS is about cars

Car Data

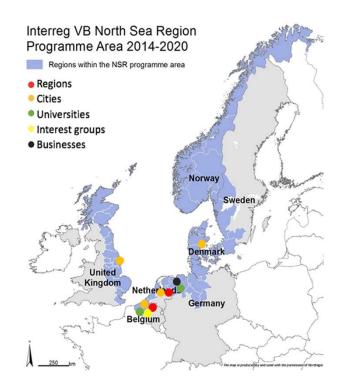
Compact Truck Parking



We think ITS is also about bicycles !



Interreg NSR project Bike and ITS (BITS)



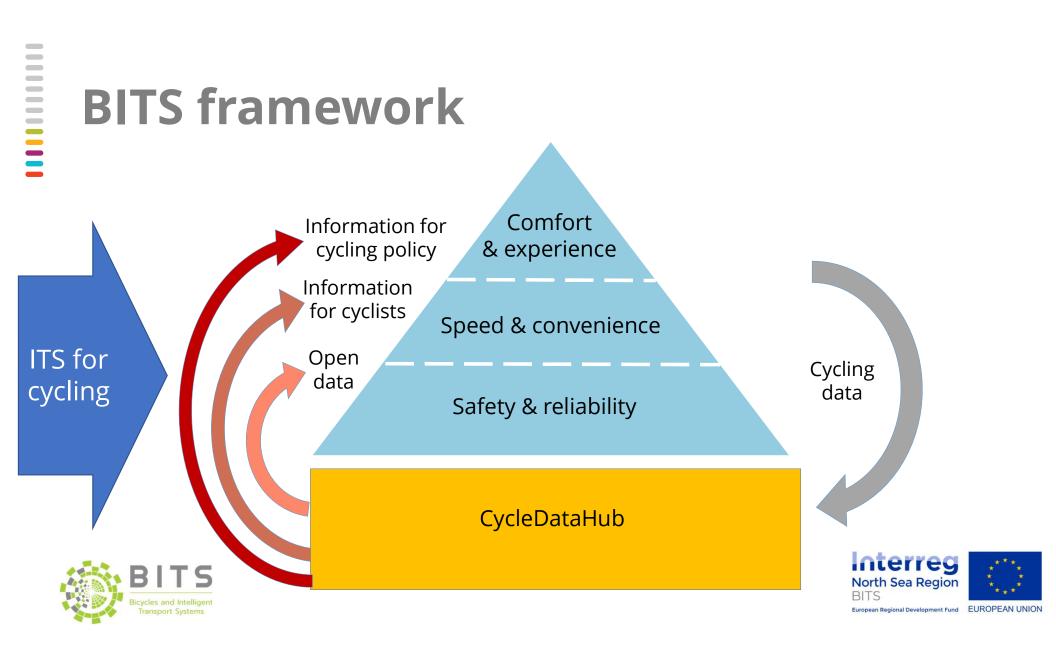
5 countries

- 13 partners
- 30 projects
- duration 2019-2022

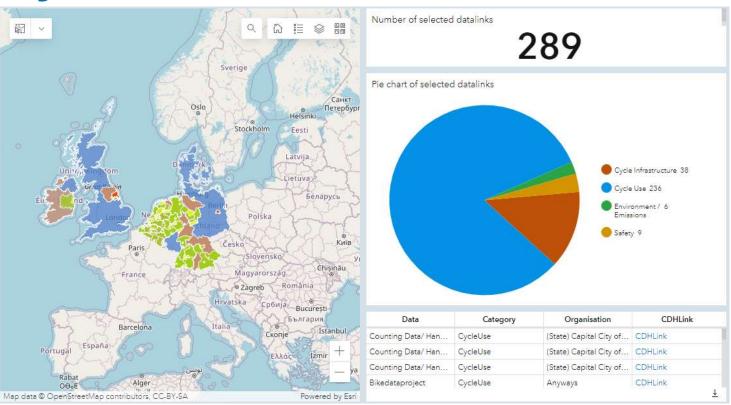
NL: Province of Overijssel (lead), Zwolle, Deelfietsen Nederland, Cycledata BE: Province of Antwerp, Bruges, VIVES, CIE DE: City of Oldenburg, Universiteit Oldenburg, Baron Mobility, DK: Aarhus UK: East Riding Council of Yorkshire



6 12/4/2023



CycleDataHub





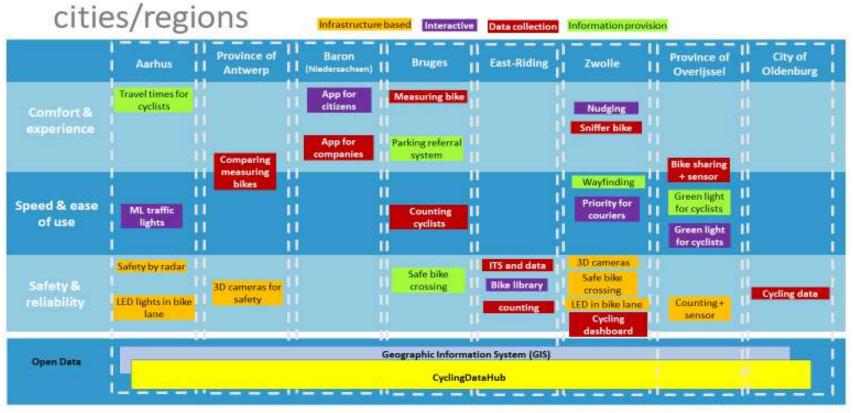




European Regional Development Fund EUROPEAN UNION

BITS

Implementing 30+ ITS systems for cyclists in 7









European Regional Development Fund EUROPEAN UNION

Event

Website BITS directory

A CONTRACTOR		In the second second second		Contraction of the local division of the loc
Multimodal cycling $+$	Encouraging cycling $+$	Interactions (B2X) $+$	Data processing $+$	Q
Data analysis 🕂	Phase +	Best practices $+$	Target market +	

NAVIGATING THE BITS DIRECTORY

The categories above can be used to filter cycling-specific ITS products or services. Numerous categories can be selected to help further refine the selection of products or services available. 'Best Practices' (such as 'Implemented Projects' or 'Academic Research') are highlighted in blue and can be selected specifically above under this category.









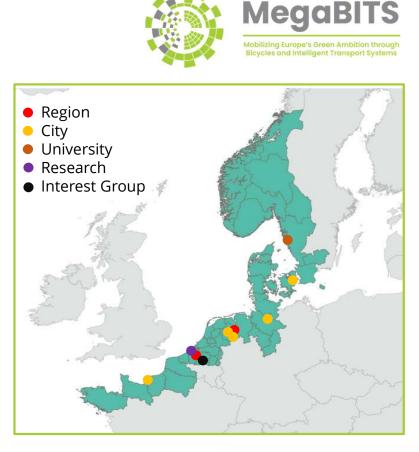
European Regional Development Fund EUROPEAN UNION



MegaBITS: Mobilizing Europe's Green Ambition through Bicycles and ITS

- Project within Interreg North Sea Programme
- Investing €4,9 mln. in cycling ITS and data
- Partners:
 - NL: Province of Overijssel (lead), City of Zwolle, City of Enschede
 - BE: Province of Antwerp, CIE, imec
 - DE: City of Hamburg
 - DK: City of Copenhagen
 - FR: Le Havre Seine Métropole
 - May 2023 April 2026





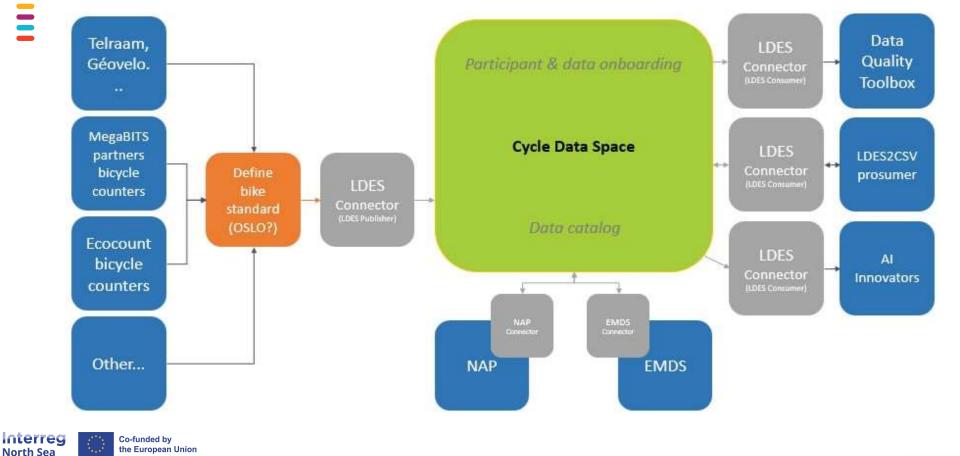


MegaBITS

Cycle Data Space





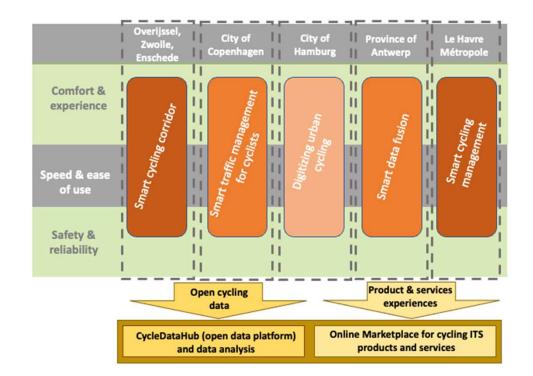


MegaBITS

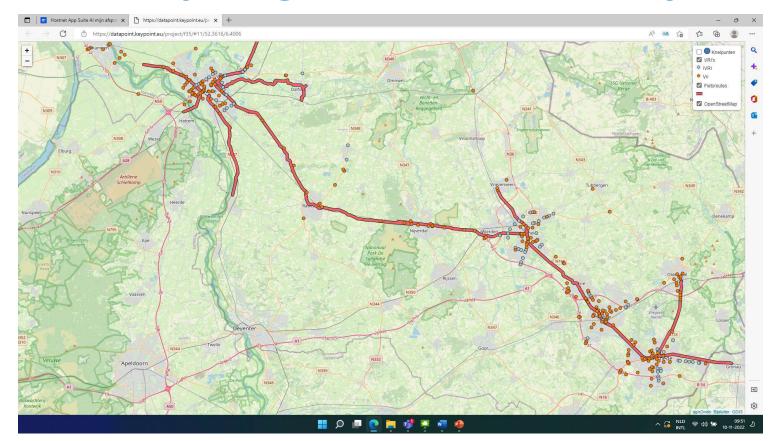
provincie Verijssel

MegaBITS topics versus MegaBITS flagships

- More focus on journey/corridor
 - Priority smart traffic lights, bike parking, ISA
- More focus on bike as part of mobility
 - Bike in MaaS, bike and public transport
- More focus on connected bikes
 - Bike part of V2V, V2I and V2X
- More focus on last mile logistics
 - New challenges (routes, measures)
- More focus on upscaling
 - Successful projects or topics
- More focus on integrating data
 - All kinds of modalities, including bicycle



Smart Cycling Corridor F35 Overijssel



Interreg North Sea

MegaBITS

Co-funded by the European Union



MegaBITS Mobilizing Europe's Green Ambition through Bicycles and Intelligent Transport Systems



Priority for cycling groups ("bike chain")



Source: Sweco

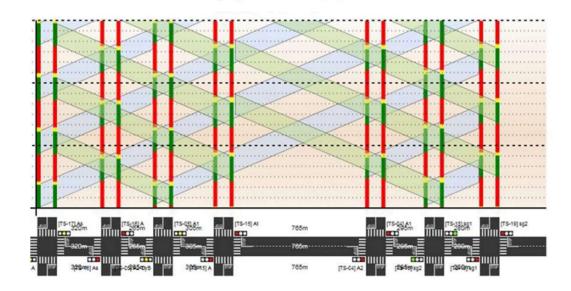


BITS implementations

Green wave Copenhagen

By optimising the traffic signals to suit cyclists speed we create green waves. No smart traffic lights needed.

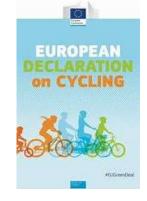
Green waves allow cyclists, if they maintain a constant speed of e.g. 20 km/h, to pass multiple intersections without stopping.





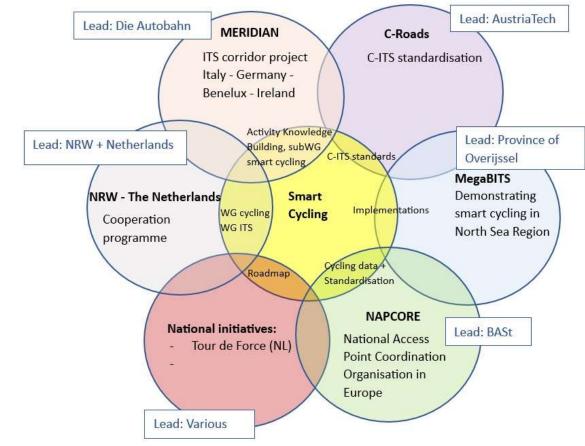
Smart Cycling Ecosystem





ITS implementations are missing !

Co-funded by the European Union



MegaBITS

Interreg

North Sea



More information (Mega)BITS community



@MegaBITS_EU



- MegaBITS_EU
- www.interregnorthsea.eu/megabits
- @ info@cyclingindustries.com









Thank you for your attention!





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